

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 1-8 and 13 without prejudice or disclaimer.

Please **AMEND** claims 9-12 and 14-18 as shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 8. (Cancelled)

9. (Currently Amended) A ~~radar emission absorbing~~ material comprising a carbon foam manufactured by a process comprising:

heating particulate coal in a pressurized non-oxidizing atmosphere having a pressure ~~ranging from~~ in the range of about 50 psi to about 500 psi, to a temperature ~~of ranging from in~~ the range about 300° C to about 600° to form a green foam; and

carbonizing said green foam to form a carbonized foam by heating said green foam to a temperature above about 600°C until said carbonized foam exhibits a dielectric constant ~~ranging from~~ in the range of about 2 to about 6 and an electrical resistivity ~~ranging from in the range of~~ about 1.E⁺⁰⁰ ohm-cm to about 1.E⁺⁰⁶ ohm-cm, when used as a radar emission absorbing material.

10. (Currently Amended) The ~~radar emission absorbing~~ material of claim 9 wherein said particulate coal exhibits a free swell index of between about 3.75 and about 4.5.

11. (Currently Amended) The ~~radar emission absorbing~~ material of claim 9 wherein said particulate coal exhibits a free swell index ~~ranging from~~ in the range of about 3.5 to about 5.

12. (Currently Amended) A ~~radar emissions absorbing~~ body comprising:
carbon foam on a surface of a said body, wherein ~~the~~ said carbon foam has the properties of a dielectric constant ~~from~~ in the range of about 2 to about 6 and an electrical resistivity ~~ranging from~~ in the range of about $1.E^{+00}$ ohm-cm to about $1.E^{+06}$ ohm-cm, when said carbon foam is used as a radar emission absorbing material.

13. (Cancelled)

14. (Currently Amended) A ~~radar emissions absorbing~~ material comprising a carbon foam having a dielectric constant from about 2 to about 6 and an electrical resistivity from about $1.E^{+00}$ ohm-cm to about $1.E^{+06}$ ohm-cm when said ~~carbon foam~~ material is used as a radar emissions absorbing material.

15. (Currently Amended) The ~~radar emission absorbing~~ material of claim 14 wherein said carbon foam is prepared from at least one selected from the group consisting of: particulate coal, coal tar pitch, petroleum pitch and carbonized polymeric materials.

16. (Currently Amended) The ~~radar emission absorbing~~ material of claim 14 wherein said carbon foam is a coal-based carbon foam.

17. (Currently Amended) The ~~radar emission absorbing~~ material of claim 14 wherein said carbon foam is derived from particulate coal exhibiting a free swell index from about 3.5 to about 5.0.

18. (Currently Amended) The ~~radar emission absorbing~~ material of claim 14 wherein said coal-based carbon foam is a porous coal-based product having a density ranging from about 0.1 g/cm^3 to about 0.8 g/cm^3 .